

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Re: Application of: H. Wang et al.

Attorney Docket: 944-005.017

Serial No.: N/A

Group Art Unit: N/A

Filed: Herewith

Examiner: N/A

For: **BLIND SPEECH USER INTERFERENCE CANCELLATION (SUIC) FOR HIGH SPEED DOWNLINK PACKET ACCESS (HSDPA)**

Commissioner For Patents
P.O. Box 1450
Alexandria, VA 22313-1450

INFORMATION DISCLOSURE STATEMENT

Sir:

Applicant submits herewith references of which they are aware, which they believe may be material to the examination of this application and in respect of which they may have a duty to disclose in accordance with 37 CFR 1.56.

While this Information Disclosure Statement may be "material" pursuant to 37 CFR 1.56, it is not intended to constitute an admission that any document referred to herein is "prior art" for this invention unless specifically designated as such.

In accordance with 37 CFR 1.97(g), the filing of this Information Disclosure Statement shall not be construed to mean that a search has been made or that no other material information as defined under 37 CFR 1.56(a) exists.

I hereby certify that this paper, along with any document referred to, is being deposited with the United States Postal Service on this date August 19, 2003, in an envelope addressed to the Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 as "Express Mail Post Office to Addressee" Mailing Label No. EV 252883390 US


Kelly Puglio

A PTO-1449 with cited reference is also enclosed.

This IDS is being submitted prior to receipt of a first Official Action in this matter; therefore, the undersigned respectfully submits that no fee is due for filing this IDS. Should any fees be due of which the undersigned is unaware, the Commissioner is hereby authorized to charge deposit account 23-0442 any fee deficiency required to submit this IDS.

Respectfully submitted,



Anatoly Frenkel
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Date: 8/19/03

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FORM PTO-1449
INFORMATION DISCLOSURE STATEMENT

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APPLICANTS: Haifeng Wang et al.

 FILING DATE:
 Herewith

ART UNIT: N/A

UNITED STATES PATENT DOCUMENTS

EXAM. INITIAL	DOCUMENT NUMBER	DATE	INVENTOR/ASSIGNEE	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE

FOREIGN PATENT DOCUMENTS

DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION YES/NO

OTHER DOCUMENTS (INCLUDING AUTHOR, TITLE, DATE, PERTINENT PAGES, ETC.)

	3GPP TR25.858 V5.0.0 (2002-3), "High speed downlink packet access: Physical layer aspects (Rel5)".
	3GPP TR25.101, "UE Radio Transmission and Reception (FDD)".
	S. Verdu, Multiuser Detection: Cambridge University Press, chapters 6.2, 6.4 and 7.3, 1998.
	M. Honig, U. Madhow, and S. Verdu, "Blind adaptive multiuser detection," IEEE Trans. Inform. Theory, vol. 41, pp. 944-960, July 1995.
	X. Wang and V. Poor, "Blind multiuser detection: A subspace approach," IEEE Trans. Inform. Theory, vol. 44, pp. 677-690, Mar. 1998.
	D. Samardzija, N. Mandayam, and I. Seskar, "Nonlinear adaptive blind interference cancellation for DS-CDMA systems," in The IEEE Vehicular Technology Conf.e (VTC), Boston, MA, Sept. 2000.
	S. Ulukus and R. Yates, "A blind adaptive decorrelating detector for CDMA systems," IEEE J. Select. Areas Commun., vol. 16, pp. 1530-1541, Oct. 1998.
	U. Madhow, "Blind adaptive interference suppression for direct-sequence CDMA," in Proc. IEEE, Special Issue on Blind Identification and Equalization, Oct. 1998, pp. 2049-2069.
	M.K. Varanasi and B. Aazhang, "Multistage detection for asynchronous code-division multiple-access communications," IEEE Transactions on Communications, COM-38(4), Apr. 1990.
	3GPP TR25.991: Feasibility study on the mitigation of the effect of the common pilot channel (CPICH) interference at the user equipment, 2002.
	3GPP R4-01-1232, Motorola, "CPICH Cancellation Complexity."
	M. Heikkila, P. Komulainen, and J. Lilleberg, "Interference Suppression in CDMA Downlink through Adaptive Channel Equalization," VTC99, Sept. 1999.
	M.K. Varanasi and B. Aazhang, "Near-Optimum Detection in Synchronous Code-Division Multiple-Access Systems," IEE Transactions on Communications, vol. 39, pp. 725-736, May 1991.

Examiner (To be assigned)

Date: